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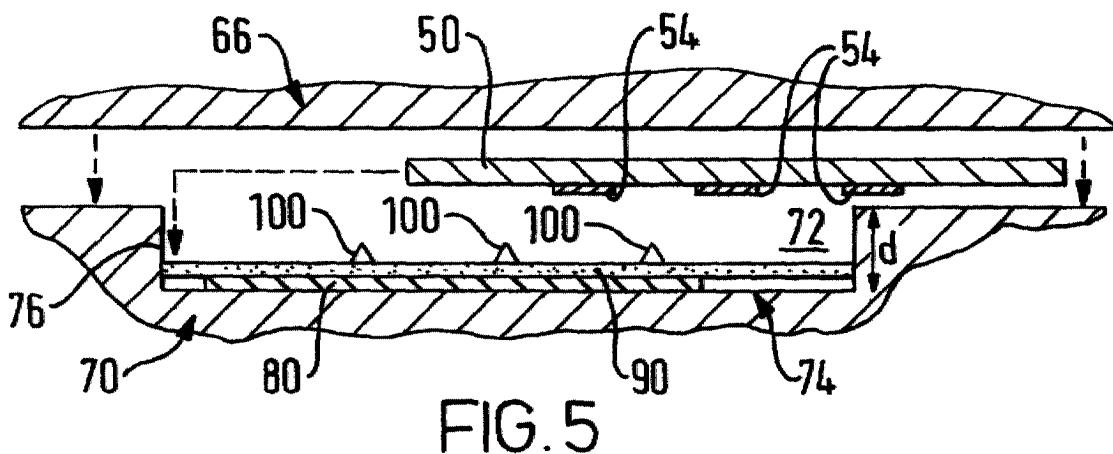
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### (54) A card reader

(57) A SIM card reader comprising a housing (70) having a recess (72), having a substantially planar floor portion (74) and wall portions (76, 78), sized to accommodate and thereby position the SIM card; resilient material within the recess and overlying at least portions of the recess floor; a dielectric substrate (90) within the recess and supported by the resilient material, having an upper surface substantially planar to the floor of the recess and having contact elements (100) extending from

the substrate upper surface away from the recess floor wherein each contact element comprises a raised three dimensional metallic structure which extends substantially perpendicularly relative to the substrate upper surface, from a base portion at the substrate upper surface to a free end of reduced area; and means for holding the SIM card within the recess while pressing the SIM card toward the recess floor whereby the resilient material is compressed and physical connection is made between the SIM card and the contact elements.





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The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		5 July 2002	Goossens, A
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

ANNEX TO THE EUROPEAN SEARCH REPORT  
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